For each of the following:

* Can you find one special number?
* Can you find more than one?
* Can you find them all?

1. My number is special because adding the sum of its digits to the product of its digits gives me my original number.
2. My number is special because adding twice its tens digit, its ones digit, and the product of its digits gives me my original number.
3. My number is special because adding three times its tens digit, its ones digit, and the product of its digits gives me my original number.
4. Generalize: If you add 4 times, or 5 times, or *n* times the tens digit, what numbers will satisfy your requirements?

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